

Professional Programme RMS SUMMER SCHOOL 2022 - Status June/2022										
Friday 19/08/2022		Weekend 20&21/08/2022	Monday 22/08/2022	Tuesday 23/08/2022	Wednesday 24/08/2022	Thursday 25/08/2022	Friday 26/08/2022			
Introduction		Weekend optional with Buddies e.g. Düsseldorf (State Capital NRW)	Infrastructures	Innovations "Smart Mobility"	Innovations "Smart Mobility"	from sustainability perspective	Final			
learning outcome	1. Sensibility and strategies for working in intercultural teams, reflection of cultural diversity 2. Keywords, topics and methods		Structures, systems and forms of organisation of mobility	Get to know new trends and developments concerning <i>Smart Mobility</i>	Get to know new trends and developments concerning <i>Smart Mobility</i>	Reflection and classification of mobility under consideration of sustainability	Final conclusion Group work presentations			
09:00-10:45	Registration Greeting: Presentation of programme Kick-off Group work Warm-up		09:00-10:00 Impulse talk: Presentation: Institute for Electro Mobility (HS BO) Prof. Dr. Haydar Mecit (HS BO)	09:00 – 10:00 Impulse talk: Sensing, interacting and sharing: Rethinking how to get around Prof. Dr. Andreas Becker (FH DO)	09:00-10:00 Impulse talk: Challenges associated with AGV for smart manufacturing Prof. Dr. Damian Grzechca (Silesian University of Technology, Poland)	09:00-10:00 Impulse talk: Circular Economy for Lithium Ionen batteries, ideas and barriers Prof. Dr.-Ing. Ralf Holzhauser (WH)	09:00 – 09:15 Conclusion			
10:45-11:00	Break		10:00-11:00 Impulse talk: Energy management in metropolitan emobility charging infrastructures EMEL Prof. Dr.-Ing. Aron Teermann (WH)	10:00 - 11:00 Impulse talk: Urban logistics – freshly thoughts of goods transport for major cities Christian Kühnhold (Smart City Loop GmbH)	10:00 – 11:00 Impulse talk: The role of machine learning for highly automated vehicles Dipl.-Ing. Mirko Meuter (Aptiv Services GmbH)	10:00 – 11:00 Impuls talk: Changing models of urban development with regard to mobility in the Ruhr Metropolis Prof. Dipl.-Ing. Andreas Fritzen (HS BO)	09:15– 11:15 Exhibition of posters Group work presentations			
11:00 – 12:30	Introductory talk: What could be smart about mobility? An introduction to "Smart Mobility" N.N		11:00-11:15 Break	11:00-11:15 Break	11:00-11:15 Break	11:00-11:15 Break	11:15-11:30 Break			
12:30 - 13:15	Lunch break		11:15 - 12:15 Impulse talk: Cycling infrastructure in metropolitan areas: "Radschnellweg Ruhr RS1" as an example Prof. Dr.-Ing. Iris Mühlenbruch (HS BO)	11:15-12:15 Impulse talk: ANTRIC ONE - A cargo bike for city logistics and last mile delivery Eric Diederich (ANTRIC GmbH) (short impulse talk with practical experience on the cargo bike)	11:15-12:15 Impulse talk: SHAREuregio and SkyCab: Sustainable mobility concepts for today and tomorrow Elisabeth Köppen, Torsten Merkens (FH Aachen, European Center for Sustainable Mobility) (Promotionskolleg nrw)	11:15-12:15 Group work	11:30 13:30 Digital Networking-Event in cooperation with "Summer School on Green Business and Susatinability Network"			
13:15 - 17:00	Cross-Cultural Connection workshop		12:15-13:00 Lunch break	12:15-13:00 Lunch break	12:15 – 13:00 Lunch break	12:15 – 13:00 Lunch break	13:30 – 13:45 Best poster award			
			13:30 - 16:00 Excursion A Hydrogen as a fuel for the mobility of the future "Wasserstoffstadt Herten" Excursion B t.b.a	13:00 – 15:30 Master Workshop I Prof. Dr.-Ing. Semih Severengiz (HS BO) Mobilitytheme Master-Workshop II Technology in the reflection of society Prof. Dr. Michael Radermacher (HS BO) Bachelor Workshop I Simulation of Autonomous Vehicles with CARLA and Python Prof. Dr. Stephan Weyers (FH Dortmund, InduTwin) & Basile Tousside, HS Bochum am AKIS (Interdisciplinary Institute for Applied AI and Data Science Ruhr) Bachelor Workshop II Mobility as a Service – or how to wean society off the use of cars Prof. Dr. rer. pol. Stephan Keuchel & Prof. Dr. Charles McKay (WH, Institute for Mobility and Transport (MoVe)	13:00 – 16:00 Excursion A Hydrogen as a fuel for the mobility of the future "Wasserstoffstadt Herten" Excursion B t.b.a	13:00 – 14:30 Panel Discussion	14:00 Farewell			
			16:30 Group work	15:30 Group work	16:30 Group work	14:30 Group work				